## ASSIGNMENT

## Date of Submission 20/07/2021

(Note: Internal assessment marks will be evaluated from assignment)

- 1. What do you mean by Electric Flux?
- A cube of side length 'L' encloses a charge 'q'. Find the flux through a face of the cube.
- 2. A solid sphere of radius R having uniform charge density p. Find the Electric field and potential at a point outside the sphere at a distance of r due to the sphere. Given r>R.
- 3. Find the Electric field and potential due to a dipole at a point P at distance r from the center of the dipoe.